

## DECEMBER REVIEW FEATURES ARTICLE ON FLOOD CONTROL

John R. Freeman '76 Presents  
Survey of Methods Used  
In Middle West

### 'REFORESTATION ABSURD'

Alumni Journal Also Contains  
Usual Undergraduate  
Features

"Needed: More Science in Flood Control," by John R. Freeman '76, an authority on hydraulic engineering, and a composite log of the Technology flood radio expedition are the two main offerings of the *Technology Review* in the December number of the alumni magazine. The *Review* will be on sale tomorrow morning in the corridors.

Two major disasters in the form of gigantic uncontrollable floods causing irreparable loss, have within less than a year's time reduced two vast areas in the United States to a mass of wreckage and temporarily untillable land. The New England catastrophe following closely on the heels of the Mississippi destruction has served to open the eyes of government officials to the former inefficacious methods of flood control, and has now thrown the light on the study of scientific schemes for the prevention of similar disasters in the future.

#### Flood Control Methods

In the article by Freeman, the *Review* editors present a survey of the flood control methods utilized in the Mississippi Valley and some recommendations (the establishment of a laboratory for the study of river hydraulics) for improved procedure. The author, who advocates a thorough laboratory study of hydraulics, particularly of rivers and harbors, points out in his paper the absurdity of the proposed spill-ways, storage-reservoirs, and reforestation plans soon to be submitted to Congress.

Continuing their policy instituted in the first issue of the new school year of enlightening alumni and undergraduates on Institute student politics, the *Review* editors delve a little further for the benefit of the aforementioned and correspondents of THE TECH into the hows and whys of the thinking machine of the Institute Committee. A catechism on the Celler Cabinet, ordinarily called the Executive Committee, includes answers as well as questions about a body little known around the Institute. The replies are not only informative but are at times humorous.

Besides the featured articles and the Undergraduate Affairs section, the *Review* includes the usual monthly departments, as the Trend of Affairs section, Book Review section and the News from the Classes and Technology Club sections. The cover etching, done by John Taylor Arms '11, bears the title "Cobwebs," and a waterfront city street against a background of bridges, each with a network of supporting wires.

## ANNUAL BANQUET IS HELD BY THE TECH

Elections and Promotions Are  
Announced at Dinner

Assembling at Louis' Cafe on Avery Street at 7 o'clock last Wednesday evening, about fifty members of the various departments of THE TECH gathered to enjoy the annual Thanksgiving banquet given by that organization for members of the staff and candidates.

Following a five-course steak dinner, Paul E. Ruch '28, general manager of THE TECH, announced the election of candidates to the staff, and the promotions among the men already on the staff of the paper, subject to the approval of the point system committee. A list of the promotions and elections is published on page two of this issue. As there was no further program, the meeting, which was informal, was then concluded.

## PROM ELECTIONS WILL BE HELD DECEMBER 14

Elections to the Junior Prom Committee will be held December 14, and the nominations from which will be chosen the five Juniors who will guide the destiny of the year's most pretentious social function must be in before Saturday noon, December 10.

As is the custom for this election, the voting will be by the preferential system and the nomination blanks must be made out in the approved form and signed by the nominee together with five sponsors from the Junior class. Last year 27 men were nominated for positions on this committee.

## NOTED ASTRONOMY PROFESSOR DIES

Frank W. Very '73 Known For  
His Valuable Contributions  
To Science

Frank W. Very '73, former professor of astronomy at Brown University and astronomer at a number of observatories, died at the Cambridge Hospital Wednesday afternoon after several years of failing health. He was the author of several books on astronomy, his latest being "The Epitome of Swedenborg's Science."

He was born in Salem in 1852, specialized in chemistry here at the Institute, receiving his degree of Bachelor of Science in 1873. He served here as an instructor in the physical chemistry laboratory in 1877, and from 1878 to 1895 he was astronomer at the Allegheny, Pa. observatory.

From 1890 to 1895 he served as professor of astronomy and instructor in geology at Western University of Pennsylvania. He was acting director of the Ladd observatory and professor of astronomy at Brown University in 1896-7, completing at his own expense during that time a research on "Atmospheric Radiation," which was published as "Bulletin G" by the United States Weather Bureau, in 1900.

For a time that same year he served as a special agent for the United States Weather Bureau. Beginning in 1906 he was director of the Westwood observatory. He made many original investigations and became a Swedenborgian Fellow.

He was an honorary member of the Academy of Arts and Sciences of Utrecht, Holland, and made frequent contributions to leading scientific magazines. From his researches he made valuable contributions to scientific knowledge.

## Freshman Smoker Planned at Last Officers' Meeting

Institute Mail Boxes Are to  
Be Used to Receive All  
Suggestions

A meeting of the officers of the Class of 1931 was held in the Committee Room of Walker Memorial on Wednesday at 5 o'clock. This was the second meeting of the officers; the first was held last Monday afternoon, when Professor Henry G. Pearson, head of the Department of English and History, addressed the officers and section leaders.

The meeting on Wednesday was held for the purpose of organizing the class officers and outlining the duties of each. It was called to order by President Robert B. Freeman, who told the students their duties for the year and plans of the class. The first thing of importance brought up at the meeting was a discussion of certain measures to be brought up before the Institute Committee at its next meeting.

It was then definitely decided that the class would hold a get-together meeting some time before the Christmas holidays. Several suggestions as to the form of this get-together meeting were made, and it was finally decided to hold a class smoker sometime within the next two or three weeks. President Freeman then appointed Vice-President Robert A. McNeilly as chairman of the Publicity Committee and Tinsley Rucker of the Executive Committee as chairman of the Entertainment Committee for the coming smoker.

The meeting was then thrown open for suggestions and criticisms regarding the future activities of the freshman. (Continued on Page 4)

## THE TECH Gives Expert Analysis of T. E. N., Voo Doo

Wildcats and Green Dragons to  
Meet in Football Contest  
Tomorrow at 5

Another of the Institute's intersectional football contests between the zeroth and the third floor will take place on Tech Field at 3 o'clock tomorrow afternoon when the T. E. N. Green Dragons will meet the Voo Doo Wildcats in what has become their annual post-season game.

Both teams are keyed up to the highest pitch as the game approaches and they think of the palatable meals which will once more grace their esophagus when they have forsaken the training table. It is difficult to predict which team will emerge victorious but at present the odds are 5 to 5 in favor of T. E. N.

Voo Doo has developed a new individualistic method of practice which amounts to shadow tackling and running similar to the performance given in the Yale Bowl a few weeks ago between halves. Goble, stellar tackle of the Wildcats, has been suffering from a charliehorse from tackling himself in his secret shadow practice but it is hoped that he will be able to start the game tomorrow.

Voo Doo has one horseman and three mules in its backfield which expects to kick through to the goal line several times. Schipper and Hills are good line plungers, while Steele is best at cutting around the ends. The entire backfield is good at punting and could be able to well outdistance their opponents on the kicks.

Walker, quarterback for the T. E. N. aggregation, was, previous to his admission to the Institute, star back at the National Park Seminary in Washington, having been three times winner of the back beautiful contest. Ford used to play mudguard for the Henries (Continued on Page 4)

## ALUMNI MEET TO PLAN FOR DORMS

Other Proposed New Buildings  
Will Also Be Discussed  
At Joint Meeting

Completion of the Technology Alumni dormitory quadrangle will be the main topic under discussion at the monthly meeting of the Alumni Council in Walker at 8:15 tonight. At this meeting the Association of Class Secretaries will hold a joint session with Alumni Council.

Bursar Horace S. Ford, speaking on "Carrying to Completion the Alumni Dormitory Fund," will describe the equipment of the dorms and what it means to a student. Dean Alfred E. Burton, who is retiring from the Directorship of the Alumni Dormitories (Continued on page 4)

## Scholastic Standing of Fraternities Discussed at New York Conference

Also Recommends That Only  
Sophomores Be Admitted  
To Fraternities

More than 300 delegates representing 500,000 members of 61 national fraternities in the United States met at the Hotel Pennsylvania in New York City Friday for the annual session of the Interfraternity Conference. The conference closed Saturday night with a dinner of the Association of Editors of College Fraternity Magazines.

At the opening session Friday morning Harold Reigelman, New York attorney, addressed the delegates on the laws of various States concerning the taxation of fraternity property. He said that a survey recently completed by the law committee, of which he is the chairman, indicated that fraternities should be regarded as serving the same ends as the institutions of which they were parts, and as such should be tax exempt where the institutions were not taxed.

Other speakers were Dr. Francis W. Shepardson, former commissioner of education of Illinois, and James Duane Livingston. Alvin E. Duerr, chairman

## Wilful Co-ed Won't Wear Freshman Tie

Co-eds, too, have their troubles with freshman rules at Technology. One half the freshman class on the Cambridge side of the river is wearing a freshman tie; the other half refuses to do so. The Sophomore class, however, is emphatic in her demand that the Class of '30 be obeyed by the Class of '31.

Miss Mary E. Betts, the only Sophomore co-ed on this side of the river, "suggested" to both the freshmen members of her sex recently that it was entirely fitting and proper that they wear those beautiful ties that their brothers were wearing. Miss Mary K. Cusick acceded to the request; Miss Rose V. Ruch, the other half of the freshman class, refused, and still consistently refuses, to obey the rules. It is understood that the Sophomore class will take drastic action in this matter very soon. The rules, incidentally, do not include saying "Hello" to upper-class male students.

## Combined Musical Clubs to Perform At WNAC Tonight

Program Will Last From 7  
Until 8 O'Clock This  
Evening

Making their third appearance of the year, the Combined Musical Clubs will broadcast a varied program from Station WNAC, the Shepard Stores, of Boston from 7 to 8 o'clock tonight. Among the special features of the broadcast will be a piano duet by George Q. Voigt '29 and Edward J. Marnock '29.

This duet will consist of two specially arranged numbers, "Putting on the Dog" and "Hot Ivories." The saxophone quintet will play a number of popular selections and the banjo club has arranged a new series of medleys including "Miss Annabelle Lee."

- The program:
1. Instrumental Club
    - (a) Indian Love Lyrics A. Woodward Finner
    - The Temple Bello—the Kashmiri Song
    - (b) Light Cavalry Overture F. V. Suppe
  2. Banjo Club
    - (a) Popular Medleys
    - (b) Miss Annabelle Lee
  3. Glee Club
    - (a) Jugo Slav Lullaby C. M. H. Atherton
    - (b) Winter Song F. F. Bullard
  4. Piano Duet
    - (a) Putting on the Dog
    - (b) Hot Ivories George Voigt and E. J. Marnock
  5. Banjo Club
    - (a) Popular Medleys
    - (b) Glee Club
    - (a) Border Ballad J. H. Maunder
    - (b) Take Me Back to Tech Littlefield '95
  7. Saxophone Quintet
    - (a) Popular Selections
  8. Violin Solo Edward Martel

## POPULAR SCIENCE LECTURE SERIES WILL BEGIN SOON

First of Four Talks Will Be  
Given December 16-18  
By Prof. Shimer

### GEOLOGY TO BE SUBJECT

Students and General Public  
Will Hear Free Talks  
On Varied Topics

Opening the series of four Popular Science lectures to be given this winter at Technology, Dr. Hervey W. Shimer, Professor of Paleontology at the Institute, will speak on the "Geologic History of Boston and Vicinity." This lecture will be given on December 16 and 17 for students of high and preparatory schools, and on Sunday, December 18, for the general public.

"The Art of Navigation as Affected by Modern Inventions" is the topic of the second lecture, and will be given by Professor George L. Hosmer of the Department of Civil Engineering on January 15 for the public. This will also be preceded by two lectures for students.

The third lecture, which will come on February 12, will be given by Professor Charles F. Taylor of the Department of Aeronautical Engineering. His subject will be "Automobile and Aircraft Engines," and it is expected that he will discuss some of the engines used in the recent trans-oceanic flights.

"Facts and Fancies Concerning the Structure of the Atom" will be the subject of the final lecture of the series on March 11. This lecture will be given by Dr. Miles S. Sherrill, Professor of Theoretical Chemistry with the Chemistry Department at Technology.

This series of Popular Science lectures is an annual feature at Technology, and is given under the auspices of the Society of Arts. Subjects of wide-spread popular interest are chosen, and the lectures are delivered in essentially non-technical language. These lectures are free, and are open to all interested.

All lectures in the series will be delivered Friday and Saturday afternoons for an audience of preparatory and high school students, and on the following Sunday afternoon for the general public.

## CORPORATION XV TO BE GUEST OF HOTEL

Mr. A. L. Race Will Lecture On  
Managing Large Hotels

Corporation XV will be the guests of the Copley-Plaza Hotel at a luncheon Wednesday December 7 at 12:30 o'clock. Mr. Arthur L. Race, manager of the Copley-Plaza, will speak on the subject of managing a large hotel, and the members of Corporation XV will be shown through the various departments of the hotel.

As the number of guests is limited, only fully accredited members are eligible to participate in the luncheon. Members wishing to sign up for this luncheon, which is gratis, must do so on the list posted upon the Corporation XV bulletin board in Room 1-180 before December 5.

In case the number of men who wish to attend exceeds the number for which the invitation has been extended, preference will be given to stockholders of former record and those members who joined first. Then men who sign for the luncheon must re-affirm their intention to be present by signing again between nine o'clock December 5 and noon the next day.

## CALENDAR

- Monday, November 27  
5:00—Meeting of the Christian Science Society in Room 4132.  
8:15—Meeting of the Alumni Council at Walker.  
7:00—Combined Musical Clubs Broadcast over Station WNAC.
- Tuesday, November 28  
3:00—T. E. N.-Voo Doo Football Game, on Tech Field.
- Saturday, December 3  
8:00—Technology vs. New Bedford Basketball Game in Hangar Gym.



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Official News  
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Undergraduates  
of M. I. T.

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In charge of this issue: Wilfred J. Danziger '29

### COLLEGE DEBATERS TO FOLLOW ALONG THE TRAIL OF CAPTAIN COOK

BATES COLLEGE at Lewiston, Maine, has varsity athletic teams in all of the ordinary collegiate sports, but its greatest claim to fame is its debating team. This year this small Maine college is about to set up another debating precedent. In 1921 she sent to England the first intercollegiate team ever to cross the Atlantic. At an early date she is planning to send a team around the world, the most ambitious debating program ever undertaken by any institution of learning as far as we know.

The itinerary of this trip is given as follows: "On the proposed trip the Bates men will take part in about twenty-five debates, meeting teams in the Philippines, New Zealand, Australia, South Africa, and England. The present plan is for the team to go to San Francisco, embarking there for Honolulu, the Philippine Islands, New Zealand, and Australia. They will then cross to Capetown in South Africa, proceeding up the west coast of Africa through the Suez Canal, the Mediterranean Sea, the Straits of Gibraltar, and on up to England, where they will sail for New York."

That Bates is qualified to carry the debating colors of American Colleges is evidenced by her past record in the world of undergraduate forensics. The college held its first intercollegiate debate in 1896. Since that time it has participated in 106 contests, twenty-one of which were held with foreign universities. Of these 106 Bates has won eighty-two, not including the four in which there were mixed teams or no decision.

We are surprised to learn that this comparatively small college has gone in for debating on such a large scale. The Gannet Newspapers of Portland, aided by a State Committee of representative citizens are raising a fund of \$7,000 with the help of the Bates Alumni body to make this latest debating expedition possible. The value of the intercollegiate debate is well known, yet in the past there has been something lacking in such contests to interest much more than a handful of listeners. With the introduction of this Bates idea of debating on an international scale there is little doubt but what interest in college forensics will increase quite considerably.

The Philadelphia Record speaks of Bates College as the "champion debating college of the world" which is quite an unusual distinction in these modern days when the football stadium is the center of the average campus building program, and the actual center of an overwhelming percentage of undergraduate thought and discussion.

### STAFF ELECTIONS AND PROMOTIONS

VOLUME XLVII of THE TECH takes pleasure in announcing the following elections and promotions, subject to the approval of the Institute Committee and its Point System Committee:

#### PROMOTIONS

To Advertising Manager: Lawrence C. Hamlin '29.  
To Assistant Advertising Manager: Sears L. Hallett '29.  
To Assistant Circulation Managers: Donald W. Diefendorf '30, Gordon K. Lister '30.  
Newswriters to Night Editors: D. Tullis Houston '30, Wilfred J. Danziger '29.  
Reporters to Newswriters: Carl Connable '30, Frank C. Fahnestock '30.

#### ELECTIONS

Reporters: Lloyd W. Laing '30, Ralph Davis '31, Newton H. Levee, Jr. '31, Robert C. Moeller, Jr. '31, Frank Crotty '31, Harry Goetz '31, Stuart C. Westerfeld '31, Elmer W. Harmon '30.

Circulation Staff: John K. Minami '31, Gil Roddy '31, Joseph Alkazin '31.

Treasury Staff: John Chibas '31, D. T. Goodman '31.  
Advertising Staff: Lester Fox, Grad., Harmon J. Truax '31.

## THE TECH BOOK LIST

### THE RIGHT TO BE HAPPY

THE RIGHT TO BE HAPPY, by Mrs. Bertrand Russell. New York: Harper and Brothers. \$2.50.

Many more people are willing to accept theoretically ideas such as Mrs. Bertrand Russell presents in "The Right to be Happy" than are willing to apply them to life. However, even the author admits that they must be applied slowly or the results might be worse than the present conditions.

Human beings have a right to happiness, she maintains, and in the first part of the book she traces the history of this right during its suppression by social customs, superstition, law, and conventional morality and religion. She thoroughly discusses the degeneration of sex and parenthood under the present day beliefs, as these are points which she finds to be the greatest sources of happiness if they are not too much restricted. "Is our universe so limited, is our life so lacking in variety and mystery that we must run to take refuge in another world?" "We must not emulate the ignorant gardeners who place water-loving plants upon a parched and desert hill and scold their excessive lust for water as a mortal sin."

Unlike many a proposed society, the one Mrs. Russell proposes makes allowances for all type of people so that it should interest far more people than some proposed forms of class utopias. Whether the reader agrees with her or not, the book is intensely interesting for she explains the reasons for her beliefs so clearly that one is forced to take an inventory of one's personal beliefs to see whether they are equally reasonable.

H. T. G.

### THE QUEST OF YOUTH

THE QUEST OF YOUTH, by Jeffery Farnol. Boston: Little Brown & Company. \$2.50.

The name of Jeffery Farnol, associated with his novels, has come to be synonymous with the romance and glory of an England of a century ago. "The Quest of Youth" is such a novel, and as such lives up to the reputation of such earlier novels as "The High Adventure," "Black Bartlemy's Treasure," and its sequel "Martin Conisby's Vengeance."

The story opens with Sir Marmaduke literally dying from indigestion brought on by a severe attack of ennui. On the advice of a doctor, Wotherpoon by name, and by the fortuitous hand of Fortune, Sir Marmaduke becomes involved in situations affecting the life of one, Eve-Ann Ash. The spark of gallantry kindles and soon becomes consuming. A murder occurs and suspicion threatens to point an accusing finger at Eve-Ann, but what are gallant heroes for?

To tell more of the plot would be like burning to a crisp a tender juicy steak. Suffice it to say that the mystery is upheld to the very last pages, amidst action and adventure which color every moment.

Farnol's stories are unique, "The Quest of Youth" being no exception, —unique because of the delightful characterizations and interesting descriptions. There is not a dull speck in the makeup of these characters; and when set against the quaintness and picturesqueness of old England, they acquire a rich and mellow tone that seems to make them alive with fire and verve—scintillating with subtle humor.

From the literary point of view this novel may be no masterpiece, but from the standpoint of pleasure and entertainment, "The Quest of Youth" is eminently enjoyable.

F. M.

### WALKER LIBRARY

New books received at the Walker Library during the month of November are:

"The Distribution Age".....Borsodi  
"The Conquest of Civilization".....Breasted  
"The Art of Skating".....Brokan  
"A Year Among the Persians".....Browne  
"The Peat Cutters".....Chateaubriant  
"What Price Progress".....Farrell  
"East and West of Hellspont".....Ferriman  
"Two Vagabonds in Sweden and Lapland".....Gordon  
"Henry James".....Edger  
"The Road to Yanadu".....Lowe  
"The Living Constitution".....McBain  
"What About North America".....McLauelin  
"River Thames".....Morley  
"Latens, Junks, and Jade".....Morrill  
"Black Faith".....Niles  
"The Quest of Winter Sunshine".....Offenheim  
"Across Arctic America".....Rasmussen  
"Five Years in Turkey".....Saunders  
"German Colonization".....Pehnee  
"The Adventure of Wrangle Island".....Ptefausau

## THE OPEN FORUM

### Dr. Rowe and Prof. Emerson Express Interest In Undergraduate Singing

To the Editor of "The Tech":

Dear Sir:

May I request the privilege of space in your columns to present to the student body a few facts concerning a possible undergraduate activity in which I am greatly interested?

During the last few years there has developed in this country a growing interest in vocal music on the part of the individual college communities. In some institutions it has taken the form of the substitution of a choir for the traditional college glee club. In others attempts have been made to have community singing. Here in New England a number of the smaller colleges which are residential in character and domiciled in the smaller New England towns, have had for many years a tradition of student singing.

I remember well nearly twenty-five years ago when I went to Wesleyan University as a very junior member of the instructing staff, the pleasant impression which was mine in the community singing of the student body there. The result of that general interest and practice has recently borne fruit in the success which has attended the Wesleyan Glee Club in the Annual Intercollegiate Competition held in New York. Wesleyan has won this competition, if I remember rightly, for the last two years, and when one considers that finals as held in New York represent a nation-wide selection of competitors, it spells no mean achievement.

My own feeling is very strongly that this, in part at least, is referable to the general practice of student body singing at Wesleyan, which, as I have said, is a traditional custom carefully conserved and cherished. Opportunities have been offered to our own student body to develop a somewhat similar activity. We have, of course, a

certain very definite handicap in that we are only superficially resident, in others words, our dormitory life is in its infancy. Further we are in a large community, which presents a wide diversity of interests outside of the college activities. Both of the above are frankly inhibiting conditions and tend to make any concerted action on the part of the student body a matter of arrangement, and consideration rather than a purely spontaneous expression.

I am sending this letter to you desiring that you give it space in your columns in the hope that it may excite some expression of opinion from your readers. Many years' contact with various student activities has taught me the complete futility of offering to the student body any project for which there is no real need. In the present instance, I feel that there is one, but I should be very glad indeed to sense student opinion in a response to this communication.

Expressing my appreciation for your courteous consideration of this letter, I am,

Very truly yours,  
Signed A. W. ROWE.

To the Editor of "The Tech":

Dr. Rowe has been good enough to let me read the above letter, and I am glad to have the opportunity that it offers me to express my hearty sympathy in the point of view that he has outlined, and to further express my belief from years of experience among architects that there is no one thing that so draws them together and establishes an *esprit de corps* as a common interest in some form of singing. Both as head of the Department of Architecture and as head of General Studies I shall be delighted to co-operate with the movement that Dr. Rowe has initiated.

Yours sincerely,  
Signed WILLIAM EMERSON.

## AS WE SEE THE MOVIES

### METROPOLITAN

Clara Bow, the screen's red-headed flapper vamp, in her latest comedy, "Get Your Man" is the feature attraction at the Metropolitan Theatre this week.

Stepping from the Hawaiian life portrayed in "Hula," Miss Bow has gone to France for the background of her new comedy. As an American sub-deb seeing Paris for the first time she meets "her man" who is a young nobleman in town buying his fiancée's wedding present. It's love at first sight, with some highly amusing complications. Bumping into the young man wherever she goes, Clara ultimately starts a conversation with him in a wax-works museum. So enthralled the two are with each other that the museum is locked up for the night without either becoming aware of the passing of time. Later the fiancée is revealed, and Clara, bound on acquiring the husband of her choice, is obliged to wreck an automobile, make love to her lover's prospective father-in-law and eventually become 'compromised' before wedding bells ring for her.

The stage production for the week is Jack Partington's "Steppin' High," and is one of the fastest moving and diversified shows which the Metropolitan has recently presented. The central attraction is, of course, Gene Rodemich and his popular stage band, playing the latest dance tunes and rhythmic transcriptions of the classics. The Metropolitan has made a reputation for itself by maintaining the con-

tinued high quality of its stage talent and settings. This week the program is unusually good.

### FENWAY

Spying in the rebels' camp and escaping by a hairs breadth with his life, riding a horse at top speed with reins held between his teeth and two guns blazing away at his pursuers, jumping from cliffs into water hundreds of feet below, and yet a heart full of love; that's the modern version of Jesse James as played by Fred Thomson in a motion picture under that name, now at the Fenway. The scene is laid in the south, immediately after the Civil War, and forms a picturesque background for the hunted outlaw who robs the plunderers of the poor and then turns around and offers assistance to the needy. Red-blooded he-man adventures such as would make a ten year old youngster's heart flutter with excitement and a love theme for the sentimental are combined in this week's offering, "Jesse James." A good dose of Douglas Fairbanks' thunder, we think. "The Joy Girl" with Olive Borden and Neil Hamilton is the secondary feature of the bill. The story, an ancient one at best, shows how a well-intentioned gold-digger is fooled into marrying a poor chauffeur, but is extricated from the misfortune by timely aids and proceeds to fall into the lap of luxury unknowingly.

### FENWAY CAFE

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8:30 to 12 O'clock

**Roy Lamson and His Harvardians**  
Couple \$3.00 Tickets at the Inn Stag \$2.00



# ENGINEER BOOTERS LOSE TO CADETS

## Kim Triumphs In The Final Round of Institute Tennis Tournament

### Hard-Playing Army Team Shows To Good Advantage In Defeating Beavers 5 to 0

Technology received a 5-0 setback at the hands of the Army at West Point last Wednesday afternoon. The cadets were by far the better team, outplaying the Cardinal and Gray from start to finish, but they were also the roughest team met this year, and a number of the players were pretty well battered, chief among whom was Capt. Sparre. He was hit by four men and had to be carried from the field. Although not seriously injured he has some badly bruised shins and his hips were skinned.

As soon as the game opened, the cadets took the offensive and kept the engineers on the defensive throughout the game, scoring four of its five scores during the first half. The Cardinal and Gray fought hard from start to finish, but to no avail, as the cadets were a much better team and easily outplayed the institute aggregation. The first half was fast and very rough, the cadets keeping the edge throughout the game. By the end of the half the engineers were tired and certainly needed the rest period.

The Beavers had much more success in holding the Army mule during the second half than it did during the first; the cadets could not break through the stubborn Technology defense in spite of the large number of bruised shins that the Cardinal and Gray booters had already received. Although the engineers could not take the offensive they succeeded in organizing a fairly good defense during the second half. This succeeded in holding the Army to one score.

A survey of the injuries received revealed that besides Capt. Sparre, Hawkins had a cut eye and Mong had his shins badly battered, the second time this year, as he was laid up for several days a few weeks ago. Baroudi was back in the lineup, and somehow or other he managed to get out of the game without any injuries.

Although the team was kicked worse by the Army mule this year than it was last, it is better than last year's team was. It has won more games as well as holding a number of its opponents to very close scores. Last year's team won only one game while this year's has won two, tied one, and lost five. Several of the teams that they lost to have the reputation of being this year's best teams.

Springfield, the Army and Northeastern lead the list of the better known teams in the East. All of these teams were superior to the Cardinal and Gray, but the engineers put up a good fight from start to finish and played good soccer with the exception of the Northeastern game, which was very poorly played. This was probably due to the fact that it was the first game of the season and the engineers had not time to organize.

Capt. Sparre leads the list of those who will not be back in the lineup next year. Others who will be lost by graduation are Ventura, Sharabati and Sacco. This leaves seven of this year's team who will be back next year. Besides this, there are a number of substitutes who show signs of becoming real soccer players after a little more practice. The forward line has lost most of the men and will probably be the weakest next year. Both fullbacks will probably play next year and that will give them a much better start than they had this year.

### H. T. KIM '29 IS TENNIS CHAMPION

#### Defeats Doleman in Five Sets In Final Round of Fall Tournament

Homer T. Kim '29, who comes from far away Korea, was the victor in the annual fall Technology tennis tournament which was completed last Wednesday. In the final round, he defeated Paul Doleman, a graduate, in a gruelling match by the score: 4-6, 4-6, 6-4, 6-3, 6-2. For the first two sets Doleman's great accuracy and ability to return almost any shot gave him the advantage, but as the match progressed Kim solved his opponent's style and when the contest finished there was no question as to the better man.

Unfortunately for Technology, neither of the finalists will be eligible to compete in the spring. Kim, the new champion, is a transfer from the University of Washington, where he held the title for three consecutive years, while Doleman is a graduate of Tufts College, where he was a star on the Varsity team.

With the largest entry list of any of the tennis tournaments held at the Institute it was hoped that some new material for the teams would be uncovered, and such hopes proved not to be vain. Judging from the fates of the seeded men there are many hitherto unknown stars at Technology, and unlike the two men who reached the finals most of them are eligibles.

Eight men of known ability were seeded at the start of the tournament, but the other competitors soon showed that they had no respect for the records of the chosen few and most of the seeded men were eliminated in the early rounds. Alexis Kononoff, ranked second, next to the captain, was the only seeded man to reach the semifinals, where he fell victim to the steady playing of the wily Doleman.

Of course the outstanding upset of the tournament was the defeat of Capt. Kuki in the first round by John Cleary. It is unfair to rate a man on the result of one match and too much credit should not be given as the Technology captain may have been off form. However, Cleary, who is a Sophomore and therefore eligible for three years of Varsity competition, was the only man besides Doleman to win a set from Kim, and the new Institute champion had to be on his game all the time in order to win.

Better spirit than ever before was shown in the tournament this year and the combination of the eagerness to play and good management made it possible to finish all matches in good season in spite of poor weather. With the great interest shown this fall in tennis, a banner season is expected in the spring.

### HOCKEY CANDIDATES HAVE EARLY HOURS

#### Many Turn Out For 7 O'clock Practice at Arena

Twenty of Technology's Varsity and freshman hockey candidates worked up an appetite for their Thanksgiving dinner by working out on the ice at the Arena, Thursday morning, under the direction of Coach Bill Stewart. Call them Merry Milkmen or what have you, but the boys have got the spirit that develops winning teams.

With the news that Harvard is to have another strong team and that all the veterans of last year's sterling B. U. outfit will play this season, the Cardinal and Gray prospects are dubious. The lack of veterans this year is a great handicap, but there are so many men on the squad that one or two finds may be unearthed. Capt. Ralph Crosby, sterling forward of last year's team, is rapidly rounding into shape and should set the team a high standard.

In the short scrimmage that was held Thursday, the Varsity looked fair. The expected weakness on defense, after the loss of Berkely, Crandall and Richards was quite evident and Coach Stewart has a huge task ahead of him to develop men to fill the positions of the two defense men and goal tender. The freshmen looked very good and although it is pretty early to judge them they probably have the best squad for the last five or six years.

Jimmy Cox, the Penn State cross country star who has twice won the National Intercollegiate at New York, will have another try at it next year. He is only a Junior at school but appears to be one of the country's best prospects. It would not be surprising to see him nip Willie Ritola one of these days in the National Amateurs. Cox was a member of the 1924 Olympic team and should be one of the stars in next year's international games.

### FENCERS LOSE ONLY SILLER FROM LAST YEAR'S OUTFIT

Prospects for this year's fencing team at Technology appear to be very bright and the team seems to be starting out on what promises to be the most successful season the fencers have ever had. Both in the matter of coaching and of men the team this year is particularly fortunate. With last year's coach back at the job aided by another new man and all of last year's Varsity except one man to work with an outfit seems to be getting under way that will make stiff opposition to the best of the teams in New England that it is scheduled to meet.

Last year's coach, Mr. John Roth, has been teaching fencing for a number of years around Boston. One of the last teams that he taught before coming to the engineers was the old Casino Club of Boston that had a fine fencing team. He made a winner of last year's outfit for his first year here and aided by Mr. Anton Gelass should have even better success this season. Mr. Gelass is a graduate of the French Government school at Joinville-le-Pont, the only school in the world giving a diploma as master of arms. Mr. Gelass is one of about three of the masters in this country. He is a former teacher of Mr. Roth and has been coaching teams for a long while.

Heading this year's team is Captain Carl Harris of last year's squad. He is fortunate enough to be leading a team of veterans, only one man, Siller, of last year's team being not available for this season. Harris is a very clever fencer, being proficient with all three weapons. He just missed qualifying in last year's individual foils intercollegiate and with Siller qualified in the team finals with the epee. One of last season's highest scorers, he ought to keep up the work this year.

In the list of men that are eligible for the team perhaps the next man is Carlos Ferre, captain of last year's outfit. This is his second year on the Varsity and he has always been a dependable point-winner. His specialty is with the foil. The other regular member of last year's team, Lester, is also out this year and should annex many points for the team. Two good regular substitutes in Harrison and Kononoff are also working with the coaches. Both men had experience in last year's matches.

A stiff schedule faces the team this season because the teams have been regrouped and the engineers are in the new arrangement. Making up the rest of the group are Columbia, Dartmouth, Harvard, Yale and Syracuse. With the exception of the Army this group takes in all the really strong eastern teams. Plans for this year's meets are being settled and the team will probably take on most of the group and several outside.

A trip is being planned to Annapolis that will enable the team to meet a number of teams on the same trip. The three teams will probably include Princeton, Penn and the Navy. An informal meet may also be held with the Saltus Club of New York, one of the finest teams in the East. Syracuse and Columbia will come to Cambridge for matches. It is also quite likely that Bowdoin and Yale will also meet the Beavers at Technology.

Certainly a hard schedule for any team, yet there seems no doubt that the team has a fine chance of coming through. With the advantages of ex-

perience and coaching that is behind this year's team there is no reason why Technology should not win the intercollegiate, provided the men keep up the way they have started off.

### Sports Desk

At last we have a complete tennis tournament. It seems to be the habit in college tennis circles to start the season with a tennis tournament in the fall. Unhappily these tournaments seem to fall by the wayside after about the quarter final round. Last fall the Cardinal and Gray tournament ended prematurely with no champion chosen. It would seem that engineer managers are becoming more efficient. Our congratulations to Johnny Wilson.

Basketball starts on its way Saturday when the Engineer quintet pits its strength against New Bedford at the Hangar. Doc McCarthy's boys have been holding some intensive practice of late and should be in the pink for their opening fray. Norm McClintock, one of last year's veterans, will soon be ready to take his regular place again. He has been with the cross country team for the last few months but that sport is now completed until 1928.

#### M. I. T. A. A.

Will the following men please call for their Varsity shingles at the office: "T"—C. B. Meagher, P. H. Kirwin, R. A. Jack, J. A. McCarthy, M. H. Fay, J. S. Wiebe.

"Tt"—T. Kuki, M. Davier, We-tuh Kwauk, D. F. Collier.

"gT"—C. W. Newhall, W. B. Moore, G. V. Patrick.

aTa—C. B. Meagher, M. H. Fay, P. H. Kirwin, R. A. Jack, J. A. McCarthy, R. C. Austin, C. E. Worthen, Jr., N. W. Mitchell, N. L. McClintock, N. E. Earle, J. S. Wiebe.

#### FRESHMAN CREW

All freshmen substituting Crew for Physical Training who have not reported at the boathouse yet must do so immediately.

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## CLOTHES

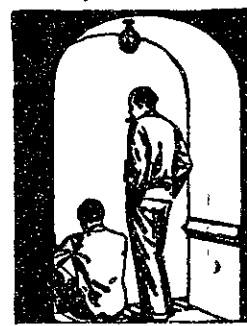
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Suits \$40, \$45, \$50 Overcoats

Beary Camels Hair Coat \$165



Beary Camels Hair Coat \$165

Riding Masters, Tutors, Detectives,  
All Furnished by Employment Bureau

T. C. A. Agency Helps Students  
Earn Nearly \$40,000  
Every Year

One of the organizations at Technology little known for the good work it does for student welfare is the Technology Christian Association's Undergraduate Employment Bureau. Up to 1923 the problem of undergraduate employment was handled by the Dean's office. In 1923 the T. C. A. assumed control of this work and organized a new department for that purpose.

When first taken over by the T. C. A. the personnel of the bureau was entirely undergraduate. As the work of the organization expanded, it was seen that someone would be needed to devote a large amount of time to its management, and Mr. Speer was appointed director. Under his administration the amount of money earned by the students increased from \$10,000 to \$23,000 for the year 1924.

The services of Mr. P. N. Aborn, a Dartmouth graduate, were engaged in 1926 upon the graduation of Mr. Speer. Under Mr. Aborn's direction the employment bureau has grown steadily, until now a high standard of service has been reached. From June 1, 1926, to May 31, 1927, men were placed in 602 positions, where they earned a total of \$39,307.78, equivalent to full tuition for 131 men. From June 1, 1927, to November 1, 1927, 198 men have been placed in 206 jobs and have earned a total of \$28,109, showing that this year's returns should far exceed those of the past. These figures would indicate that an average of about 10 percent of the Technology students work part time to help defray tuition costs.

The students work at an infinite number of different jobs, from tutor to translator, and from chore worker to blood donor. One of the most interesting branches of the bureau is the musical or entertainment organization; made up entirely of undergraduates, this department can furnish entertainment of almost any kind.

Chore work employs the greatest number of students, while waiting and similar restaurant work is next in order of numbers. Several students were employed as detectives at the Rockingham Speedway and in Boston department stores. One student was hired to dress as a sailor and distribute a well known food product at a recent Boston food fair. While the men are not adverse to dressing as sailors, they seem to draw the line at costuming as Santa Clause, for a student has been wanted to dress as this philanthropic old gentleman, but no one has taken the job.

Students have worked as translators for Latin, German, Spanish and Norwegian tongues. One student was employed as a riding master in a girls' summer camp. The service of the bureau is entirely free and depends on the graduates for its success. This help from the Alumni consists for the most part of letting the bureau know of any position open for students.

FRESHMAN CREW

Beginning on Nov. 21st, all freshman crew members must report to the boathouse on Tuesday and Thursday afternoons at 4 or 5 o'clock and on Saturday afternoon at 1 o'clock. In order to obtain credit for P. T. substitution this must be done. Freshmen will not row on any other days except those designated above.

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ALUMNI COUNCIL TO  
DISCUSS NEW DORMS

(Continued from Page 1)  
Committee, and Henry F. Bryant '87, Chairman of the Committee, will start a discussion on the importance and necessity of combined action on the part of all classes and local associations in bringing this project to an early conclusion.

"Enlarging Walker, Proposed Auditorium and Further Embellishment of Institute Grounds" will be spoken of by James P. Munroe '82, and Harry J. Carlson '92, a Corporation member, will lead the discussion and give the latest ideas of the Corporation on this matter.

The program for the evening includes in informal dinner at 6:30. At 7:45 there will be a short business meeting of the Association of Class Secretaries with Frederick H. Fay '93 presiding. A short business session of the Alumni Council will be held at 8 o'clock, and will be followed at 8:15 by the joint meeting of the evening, at which Dr. Samuel C. Prescott '94, President of the Alumni Council, will preside.

TECH ANALYZES VOO  
DOO - T. E. N. GAME

Quote Odds Are Five to Five in  
Favor of T. E. N. Team

(Continued from Page 1)  
but coach Tad Pole of the T. E. N. has shifted him to left halfback, hoping to make a good runabout out of him.

Baumrucker is playing full, as usual. Edlund, one of Os Hedlund's galloping proteges, completes the Dragons' backfield. Edlund is a great open field runner, dipping in and out among the would-be tacklers, having once been a professional dip until he reformed.

Heetrick, at right end for Voo Doo, is a triple threat, being able to fall, fumble, and forget equally well. Coffran at the other wing is good at drawing men, while Hettrick fumbles the passes. Celler at right guard is an excellent defensive player, driving low and hard on every play.

Middleton at right tackle for the T. E. N. team is the only heavyweight in the Dragon line and consequently will bear the brunt of the Wildcats' attack and the bulk of their backfield's kicks. The lineup and comparison of the two teams is published in box form.

FRESHMEN DECIDE TO  
HOLD CLASS SMOKER

(Continued from Page 1)  
man class. A proposal was finally made and accepted to secure permission to use the Institute mail boxes for receiving suggestions and criticisms regarding the activities. Any freshman who desires to suggest or criticize the running of the class will have an opportunity to do so by dropping a note in any one of the Institute mail

Effect of Blasts  
On Buildings Is  
Noted In Tests

Experiments Just Conducted  
At Rutgers Show Safety  
Of Use of Dynamite

To determine the effect on buildings of a heavy blast of dynamite, and at what distances injury might be sustained, a series of experiments was recently conducted by E. H. Rockwell, Dean of Engineering at Rutgers University.

Measurements of the earth vibrations transmitted were made with an instrument similar in function to the seismograph, which is used to record

Demonstrates a  
Machine That Can  
Measure Emotions

New Psychological Invention Is  
Exhibited at Ohio  
University

A new psychological invention, a machine which measures the psychogalvanic responses, or, to speak less scientifically, measures emotions, was explained and demonstrated by Starke Hathaway, its inventor, at a meeting of Kappa Delta Pi. honorary educational fraternity, at Ohio University.

This machine is reported to record the finer emotions of which an individual is unconscious, such as the pleasure derived from smoking, the feelings experienced when another person's name is mentioned, etc.

This is how it is done: Two nickel electrodes are fastened to the palms of the subjects. On dials with which the electrodes are connected, variations of feeling experienced by the subject are recorded. If the subject thinks of a number when this same number is mentioned, although no change of feeling is noticed, the desire to conceal the fact that this is the right number will cause the needle to fluctuate.

For many years the psychology world has teemed with talk concerning emotions. Great interest has been displayed in France, Germany, and in the United States. Very little of importance has been discovered until the present time, for all of the machines in use have been very erratic and undependable. An old type first used in Germany, which serves as a basis for the apparatus as it now is, was awkward and imperfect. The work of perfecting the psycho-galvanometer has continued for more than four years, with failures and disappointments.

Last year a student conducted experiments with advertising material and found that the reaction recorded by this apparatus possessed a high relation to the length of time that the advertisement would be remembered.

David Wechsler, a German, says there is a distinct difference between the responses of patients suffering from various types of mental diseases. He has used the psycho-galvanometer to determine these differences. Research is now progressing to determine its use as a factor in apprehending the guilt of a person charged with criminality.

At a meeting of Experimental Psychologists at Northwestern University last year the machine was exhibited and described by Hathaway. Several leading psychiatrists at that time asked for sets, which are now being built. Another exhibition of the psychogalvanic will be made at the American Association of Psychologists to convene in Columbus in December of this year.

In one of the editorials in *McGill Daily* it is estimated that the average salary of the football coach of a large university is about \$45,000, of a ranking professor \$6000, of an average professor \$3000, and of a lecturer \$1000.

earthquake shocks, and also by means of steel pins one-quarter of an inch in diameter and of various lengths. These pins were set in groups on a hard, level surface, and were so arranged that if one toppled over it would not affect its companions in the least. Pins of various lengths up to fifteen inches long were used in the experiments, groups of them being placed at different distances from the blasting centre.

None of the pins fell at points further than 200 feet from the explosion, and the conclusion arrived at consequently was that only buildings within this radius of ordinary well-drill blasting could be damaged by such a blast. In fact, the seismograph instrument and graduated steel pins indicated that the effect of the average blast on a house 26 by 42 feet and 30 feet high, even at a distance of 1,800 feet, would be only equivalent to a wind blowing at the rate of twelve pounds pressure per square foot against the structure.

Religious Census at Technology

Church	1923	1927
Baptist	183 6.4 %	138 5. %
Catholic	378 12.8	430 15.8
Christian Science	53 1.8	48 1.8
Congregational	418 14.3	442 16.3
Episcopal	351 11.9	297 10.9
Jewish	186 6.3	130 4.8
Lutheran	49 1.8	41 1.5
Methodist	254 8.6	247 9.1
Presbyterian	232 7.8	150 5.5
Unitarian	97 3.3	90 3.3
Universalist	38 1.3	33 1.2
Other Religions	228 7.7	141 5.2
Stating no religion	472 16.	525 19.6

Data on Principals in Annual  
Battle of T.E.N. and Voo Doo

Name	Pos.	Wt.	Ht.	Age	Prep School
H. E. Raymond	RE	200	4:2	16	Harvard
J. S. Middleton	RT	255	6:6	45	Kate Gibbs
A. H. Kuhnel	RG	110	6:9	760*	Mennens
H. S. Gardner	C	2hrs.	3:5	4	Alaskan Aggies
E. P. Wetherly	LG	94	5:10	31	Vassar
P. Dahlberg	LT	199	4:0	12	Lerner's Acad. of Dancing
F. Garratt	LE	1927	1:1	29	I. C. S.
G. Walker	QB	175	7:0	14	National Park Seminary
C. F. Edlund	RH	109	5:4	36	Fort Leavenworth
H. Ford	LH	109	5:4	36	Detroit Mechanics H. S.
W. Baumrucker	FB	109	5:4	36	Revere Polytechnic

VOO DOO

A. Hettrick	RE	100	8:6	49	Pennsylvania Inst. for Deaf
R. Goble	RT	211	3:10	27	Paramount Movie School
F. Celler	RG	105	6:8	15	Das Feetzballen Schule
C. E. Vanderwalwer	C	96	4:3	20*	B. Y. O. L.
R. Bicknell	LG	111	5:11	11	L'Institute Bergere
C. E. McHugh	LT	210	3:10	27	Back Bay Business School
E. Coffran	LE	100	4:8	17	Ellis Island High School
F. Ellis	QB	203	6:6	43	Alexander Hamilton Inst.
J. Schipper	RH	203	6:6	43	Fenway Flying College
J. C. Scheuren	LH	203	6:6	43	Dear Old Colton
J. C. Steele	FB	203	6:6	43	Siwash

\*Months

Substitutes—Voo Doo—Entire Managing Board and Staff will be on the field in uniform; T. E. N.—A. K. Stricker, John Carvalho, Geo Myers, T. H. Speller, C. Ladd, N. B. Haskell, John Robins, G. Speedie. Officials—Elisha Gray, Ralph Joep, Paul Donahue.

Princeton Sends  
40 Love Letters  
To Vassar Daily

Wellesley, Bryn Mawr Close  
Rivals For Second Place  
In Tiger Hearts

That Princeton is by no means a laggard when it comes to wooing by mail is shown by the following article taken from the *Daily Princetonian* of November 28. Whether the university is at all able to keep up with the example set by Technology men must remain a question, as such a gathering of statistics is an impossibility among the scattered groups that attend the Institute.

"Love, like a crescent moon, waxes and wanes with the seasons. Princeton love, as judged by its letters, wanes noticeably just before the glad, some, but costly Christmas holidays.

"Forty epistles a day, affectionate or otherwise, comprise the approximate usual allotment of mail from Princeton to Vassar. Thirty a day is the average for both Wellesley and Bryn Mawr. But strangely enough, during the period of two or three weeks preceding Christmas, the falling off of masculine attention is startling.

"Instead of the constant stream of verbiage bound north for feminine institutions of higher learning, mere dribbels of mail are then turned in at the Post Office. Nor do conditions return to normal till well after the Yuletide season.

"This pre-Christmas deflation is by no means coincidence, in the opinion of Post Office clerks, who with a great air of knowingness see in it deeper meaning. Not until well after Christmas has passed, according to their word, and with it all necessity of planning gifts, do the pens of Princeton students hasten again with facile touch across neatly monogrammed pages of stylish stationery.

"Week-ends of proms and of football games are the times of heaviest correspondence, while Sunday is the most popular day of the week for epistolary creation. Vassar, for example, claims about 100 letters every Sunday night, completely outdistancing her nearest rivals, Wellesley and Bryn Mawr, which vie for second place in the hearts of Tiger undergraduates."—*The Daily Princetonian*.

VOO DOO

Voo Doo announces a competition for Sophomores for the literary staff, elections to take place in January. They will be on the same footing as present staff for election to Literary Editor in May. Positions are also open for several freshmen. Those interested should come to the office on the third floor of Walker.

CHRISTIAN SCIENCE SOCIETY

There will be a meeting of the Christian Science Society in Room 4-132 today at 5:00 o'clock.

THIS SERVICE IS BACKED BY OUR PLEDGE  
TO SATISFY

WALKER DINING SERVICE

NEW RADIO STATION  
NEARS COMPLETION

Work is progressing favorably on Technology's latest radio station which is being built on Institute property behind the Coop store, and the station is expected to be in operation within a few weeks. This station is being built by the Communications branch of the Electrical Engineering Department for the purpose of carrying out tests and experiments on transmitting and receiving apparatus.

The wooden building which will house the station equipment has been completed, and antenna equipment is in the process of erection. Once the power supply is definitely decided on, generators, transmitters and attendant apparatus will be installed. Meanwhile, as soon as an antenna is available it is planned to carry on some tests with receiving equipment.

T. E. N. COMPETITION

The managing board of the *Tech Engineering News* announces the beginning of a Post-Field Day Competition. All interested in trying out for the paper should report to the office in Walker basement.

\$10.00 REWARD

For the return of a Dark Blue Overcoat stolen from the Dining Hall Office in Walker Memorial between 12:30 and 1:00 o'clock, Friday noon, November 25. Return coat to William H. Carlisle, Jr., Technology Dormitories.

MOTORCYCLES

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Or we should be glad to have  
you buy from our representative  
who will call with  
samples.

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